

Recovirus, Mo/TG30/2012

Catalog No. NR-59235

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Caliciviridae*, *Recovirus*

Species: Recovirus A

Genogroup: 1

Serotype: 2

Strain/Isolate: Mo/TG30/2012

Original Source: Recovirus (ReCV), Mo/TG30/2012 was isolated from the stool of a juvenile Rhesus macaque (*Macaca mulatta*) which was collected in 2012 in Massachusetts, USA.¹

Comments: ReCV, Mo/TG30/2012 was passaged seven times in LLC-MK2 cells and isolated July 19, 2022 at The Washington University.¹ The complete genome of ReCV, Mo/TG30/2012 has been sequenced (GenBank: [OQ184950](https://www.ncbi.nlm.nih.gov/nuclseq/OQ184950)).

Rhesus enteric monkey caliciviruses (ReCV) are single-stranded, positive-sense RNA viruses. The recovirus group consists of three genogroups and four serotypes.² The prototype recovirus is strain Tulane, and the recovirus group also contains noroviruses and sapoviruses which can infect humans. ReCV, Mo/TG30/2012 was passaged seven times in LLC-MK2 cells by the depositor.² It appears to be useful as a model of human norovirus infection.²

Material Provided:

Each vial contains approximately 1.0 mL of cell lysate and supernatant from *Macaca mulatta* [Rhesus monkey kidney cells (LLC-MK2 Derivative)] infected with ReCV, Mo/TG30/2012.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-59235 was packaged aseptically in plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Host: *Macaca mulatta* (Rhesus monkey kidney cells (LLC-MK2 Derivative; ATCC® CCL-7.1™))

Growth Medium: Dulbecco's Modified Eagle's Medium supplemented with 2% fetal bovine serum, or equivalent

Infection: Cells should be 90% to 95% confluent

Incubation: 2 to 3 days at 37°C and 5% CO₂

Cytopathic Effect: Cell rounding and sloughing

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Recovirus, Mo/TG30/2012, NR-59235."

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Gan, T., Personal Communication.
2. Gan, T., et al. "Isolation of a Rhesus Calicivirus that can Replicate in Human Cells." *Virology* 2023(582): 83-89. PubMed: 37031656.

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